MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE, DOMINION OF CANADA

NOVEMBER 1930

TEMPERATURE

During November the northwestern cold front appeared to have two paths. One lay along the Pacific Ocean from Alaska, while the other, which was of very moderate intensity most of the month, lay east of the Mackenzie valley.

A northeastern cold front was also in evidence and also appeared to have two paths, one along eastern Greenland, and the other, of very moderate intensity, from Baffinland to Hudson Bay.

The month was, therefore, generally mild over the whole Dominion. The excess over normal temperature was four to eight degrees over a large part of Saskatchewan and Alberta and four to ten degrees over a large part of Ontario and Quebec.

In southern British Columbia on the coast there was a deficiency of about one degree. In Manitoba there was an excess of one to five degrees and in the Atlantic Provinces of one to four degrees.

PRECIPITATION

In southern British Columbia and along the coast the month was very dry with fifty to seventy-five per cent. less than the normal amount recorded. In the northern interior precipitation was relatively heavy.

In Alberta except parts of the eastern districts, there was an excess of twenty to seventy per cent. of the normal amount. In Saskatchewan and western Manitoba there was a deficiency of twenty to seventy-five per cent. but in eastern Manitoba there was an excess of forty to two hundred and fifty per cent., the greatest excess occurring near the Lake of the Woods.

In Ontario from the Lake of the Woods to the head of Lake Superior, excesses generally ranged from twenty-five to two hundred per cent., although north from the Albany river there were at least local deficiencies.

East of Lake Superior, along the lower Great Lakes, and in Quebec except in the Saguenay and Lake St. John regions as well as along the north shore of the Gulf, there was a widespread deficiency running from ten to eighty per cent. of the normal amount. In the Saguenay region the excess was ten to two hundred per cent, while the North Shore was nearly normal.

In the Atlantic Provinces there was a general deficiency of fifteen to seventy-five per cent.

BRITISH COLUMBIA

Along the coast the temperature averaged one degree below normal to one degree above, while in the central and northern interior there was an excess of one to six degrees. In the southern interior temperatures averaged practically normal. The month was generally very dry but in some districts very cloudy. There were a number of sharp frosts and fogs with unusually little wind.

ALBERTA, SASKATCHEWAN and MANITOBA

Very mild weather continued till the fourteenth when a moderate cold spell intervened till the twenty-first. Mild weather followed till the twenty-sixth when a sharp drop to temperatures below zero affected principally eastern Saskatchewan and western Manitoba. The excess over normal temperatures is noted in the paragraph on temperature. Precipitation was generally below normal in eastern Alberta, in Saskatchewan, and western Manitoba, but was well exceeded in parts of the central and eastern districts of Manitoba.

ONTARIO

The month was generally mild, two to six degrees warmer than normal in the south and two to ten degrees warmer than normal in the north. In the Lake of the Woods region it was very wet but elsewhere very dry. Towards the end of the month some districts in the southwest received heavy rain.

QUEBEC

This was generally a mild dry month except in the Saguenay region where some localities were very wet. The excess over normal temperature was greatest in northern districts where it reached six to ten degrees.

ATLANTIC PROVINCES

November was mostly fine and bright with an excess over normal temperature of one to four degrees. Rainfall was scanty during the first half of the month. New Brunswick and Prince Edward Island suffered severely from drought. Precipitation was mostly rain and was fifteen to seventy-five per cent. below the normal amount. During the last part of the month strong winds were prevalent with some snow.

HUDSON STRAIT

Temperatures ranged from two to nine degrees above normal from Chesterfield to Resolution Island. At Churchill there was an excess of four degrees.

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month. Column Sg denotes depth of snow on ground in inches, where given.

BRITISH COLUMBIA

STATION	H	L	P	I	STATION	H	L	P	I	STATION	H	L	P	I
Victoria	54°	32°	1.3	75	New Westminster	62°	27°	4.0		Penticton	59°	20°	0.7	
Goldstream Lake			3.5		Chilliwack	63°	24°	4.5		Invermere	59°	5°	0.2	36
Sooke	58°	24°	3 1		Agassiz	64°	26°	4.0	75	Cranbrook	56°	-2°	1.7	
Metchosin	57°	28°	2.2		White Rock	64°	25°	2.9		Glacier	47°	10°	1.1	
Sidney	54°	29°	1.3	75	Salmon Arm	56°	16°	2.0	21	Field	50°	4°	1.1	
Duncan	63°	22°	1.5		Vernon	52°	17°	0 9	27	Golden	50°	9°	0.1	
Nanaimo	57°	29°	1.7	45	Kelowna	53°	20°	0 4		Kamloops	62°	20°	0.8	28
Courtenay			2.4		Rock Creek	52°	6°	1 0		Prince George	62°	-7°	1.6	
Vancouver	59°	25°	3.0	54	Oliver	59°	20°	1.0	43	Prince Rupert	54°	20°	7.3	

ALBERTA, SASKATCHEWAN AND MANITOBA

STATION	H	L	P	I	Sg.	STATION	H	L	P	I	Sg.
Beaver Lodge	60°	-4°	1.3	88		Treherne	59°	-14°	1.1		8
Edmonton	65°	0°	0.9	111	6	Ninette	62°	-15°	0.5		2
Calgary	62°	-12°	1.3	118		Morris	60°	-15°			12
Medicine Hat	70°	0°	0.5	109	0	Morden	63°	-14°	1.8	115	
Scott	54°	-3°	0.4	114		Moose Horn Bay	54°	-13°	1.7		
Battleford	60°	-2°	0.1		T	Flin Flon Mine	44°	-21°			
Prince Albert	53°	-10°	0 3		T	Rapid City	56°	-17°	0.4		
Swift Current	67°	-10°	0.3	115		Great Falls	49°	-17°	1.9		
Moose Jaw	68°	-7°	0.5	125		Hamiota	55°	-17°			
Qu'Appelle	63°	-15°	0.6	140	2	Shoal Lake	54°	-21°	2.6		
Le Pas	43°	-20°	0.2		1	Oak Bank	63°	-17°	3.3		12
Minnedosa	60°	-16°	0.3		T	Pinawa	52°	-20°	3.2		
Winnipeg	58°	-14°	1.6	115	6	Russell	61°	-19°			
Dauphin	65°	-13°	0.7			Sprague	52°	-24°	3.2		
Brandon	60°	-16°	0.5		2	Warren	59°	-19°	1.5		
Treesbank	59°	-15°	0.4		2	Waskada	64°	-14°	0.6		
Birtle	59°	-19°	0.4		3						

ONTARIO

Atikokan	60°	-20°	2.4			Parry Sound	60°	0°	1.5		
Mine Centre	56°	-10°	1.9		5	Scotia Junction	58°	-7°	0.8		5
Ignace	52°	-22°	2.5			Huntsville	69°	-1°	0.7		3
Ingolf	55°	-24°	2.7			Beatrice	61°	0°	0 9		2
Kenora	53°	-15°	3.5			Barrie	60°	-4°	1.6		3
Sioux Lookout	50°	-12°	1.7			Walkerton	69°	10°	3.2		13
Longlac	55°	-12°	0.4			Mount Forest	65°	-5°	1 5		12
Port Arthur	51°	-8°	3.8		T	Brucefield	63°	5°	2.7		3
Quorn	54°	-23°	2.2		3	Lucknow	65°	8°	2.6		14
Schreiber	51°	-9°	2.1		3	Southampton			3 2		10
Blind River	55°	3°	2.1			Stratford	64°	6°	3 3		6
Sault Ste. Marie	68°	-17°	—			London	64°	5°	5.7		T
White River	59°	-30°	2.2			Woodstock	63°	0°	1.6	76	T
Biscotasing	55°	-11°	1.4			Paris	63°	6°	1.6		1
Chapleau	62°	-13°	1.4			Alton	62°	0°	1.8		2
Ruel	62°	-12°	2 0		8	Harrow	62°	8°	0.8	125	
Cochrane	55°	-9°	1.7		4	Simcoe	66°	6°	1.6		0
Haileybury	59°	-4°	1.5		2	Toronto	61°	13°	0.7	90	0
Heaslip	57°	-10°	2.1			Beeton	65°	0°	2 2		0
Iroquois Falls	57°	-12°	2.6			Bloomfield	60°	0°	1.8		
Kapuskasing	53°	-14°	1.2	56		Queensboro'	58°	-3°	1.4		4
New Liskeard	57°	0°	1.3	23		Peterboro'	60°	-2°	1.4		1
Algonquin Park	55°	-3°	0 4			Kingston	59°	10°	1.3	92	0
Madawaska	58°	-14°	0.5			Brockville	63°	6°	1.7		
Montreal River	55°	-9°	1 4			Morrisburg	56°	4°	2 3		3
North Bay	59°	3°	1.3			Ottawa	59°	2°	2 0		1
Crystal Falls	59°	-4°	1.6			Ottawa (Exp.Farm)	57°	0°	2.0	81	4
Gore Bay	63°	10°	2.1			Renfrew	56°	0°	1.1		1
Providence Bay	62°	2°	0.9			Pembroke	59°	2°	0.8		

QUEBEC

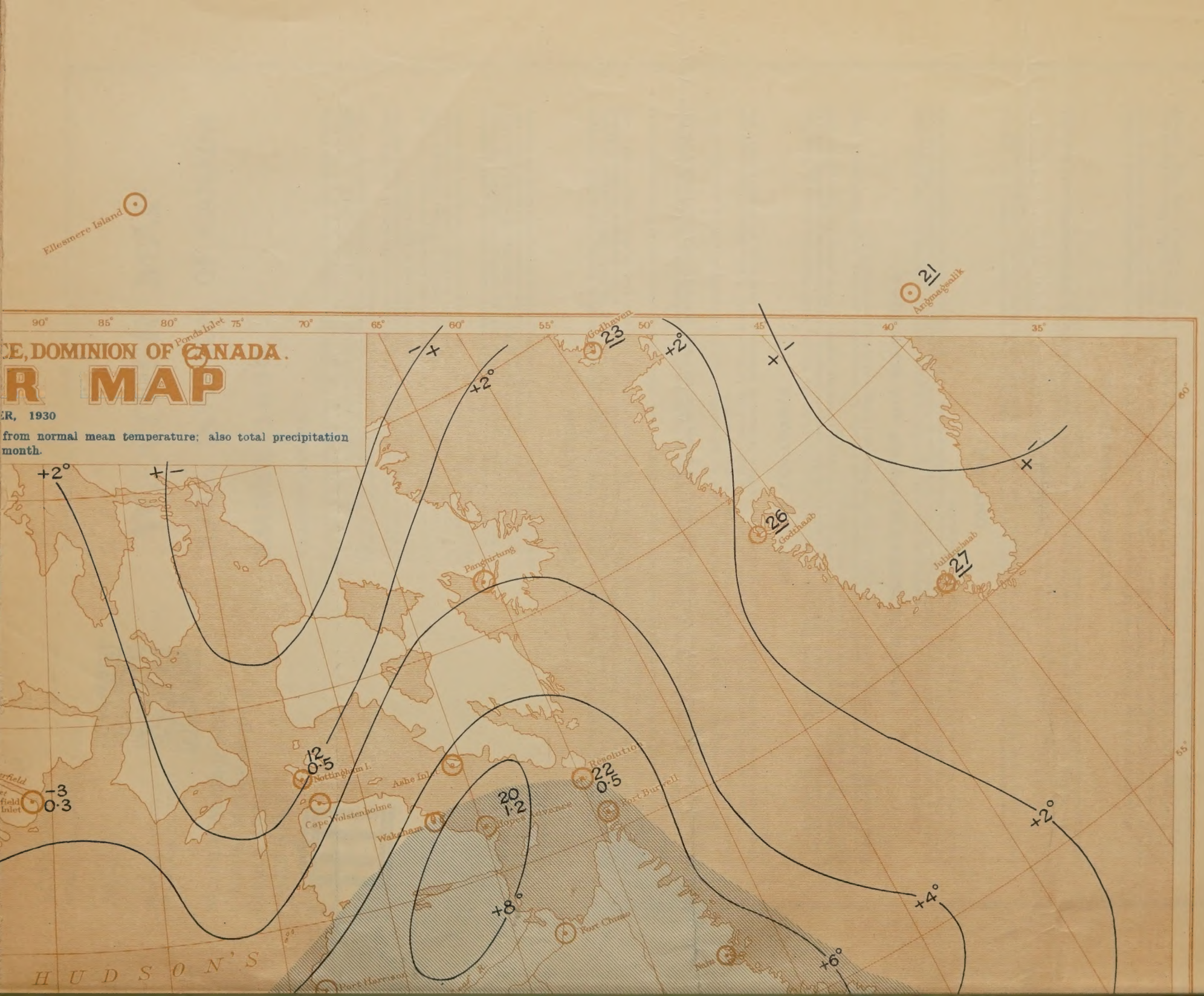
STATION	H	L	P	I	Sg.
Cedars	60°	8°	2.3		T
Macdonald College	59°	6°	2.4		6
Montréal	57°	7°	2.7	76	
Farnham	60°	1°	1.6	77	2
Brome	60°	-5°	2.2		
Nicolet	55°	5°	2.7		1
Sorel	56°	4°	2.1		4
Thetford Mines	55°	-3°	2 9		
Lennoxville	60°	3°	2.6	81	
Sherbrooke	57°	5°	2 5	80	T
Drummondville	56°	2°	1.2		2
Beauceville	55°	1°	3.0		0
Lake Mégantic	56°	1°	1.1		1
Cap Rouge	56°	6°	3.0	69	1
Québec	51°	3°	3.6	69	4
St. Joachim	53°	1°	3.6		3
Armagh	54°	-3°	1.6		
Tadoussac	51°	7°	—		
Seven Falls	53°	-12°	5.7		
Ste. Anne de la Pocatiére	54°	8°	3.4	89	
La Malbaie	53°	3°	3.0		
Chicoutimi	50°	1°	4.6		5

STATION	H	L	P	I	Sg.
Roberval		10°	1.0		
Albanel	52°	-2°	2.0	58	1
Manouan	52°	-4°	1.5		
Lake Kempt	50°	-13°	1.7		
La Tuque	52°	-1°	1.9		
Chutes aux Galets	43°	-12°	3.3		
Lac Onatchiway	53°	-5°	2.0		
Chute à Murdock	60°	1°	1.9		
Kenogami	56°	-6°	2.3		
La Loutre Rapids	50°	-6°	2.1		
Joliette	54°	0°	2.7		5
Huberdeau	57°	-1°	1.9		4
Mont Laurier	60°	-5°	1.1		5
St. Lin des Laurentides	59°	3°	1.0		4
Maniwaki	53°	-2°	1.3		3
St. Gabriel de Brandon	56°	-8°	2.5		6
Abitibi	53°	8°	1.2		4
Dolbeau	54°	0°	2.2		3
La Ferme	54°	-9°	1.6	26	
Ville Marie	54°	2°	1.6		1

ATLANTIC PROVINCES

St. John	54°	10°	2.2	125	T
Aroostook	53°	4°	1.1		
Bathurst	56°	7°	1.3		
Chatham	54°	6°	1.2		
Edmundston	53°	5°	1.9		T
Fredericton	58°	8°	1.8	110	T
Fredericton (Experimental Farm)	59°	8°	1.7	113	
Gagetown	58°	6°	2.3		
Grand Falls	64°	12°	1.8		T
Harvey	53°	6°	2.8		
McAdam Junction	56°	7°	2.1		
Musquash	55°	3°	2.4		
Rexton	58°	5°	1.4		
Woodstock	56°	6°	2.0		
Sussex	60°	0°	1.4		
Halifax	57°	14°	3.0		
Annapolis Royal	58°	14°	2.5	108	
Digby	61°	15°	2.9		
Kentville	65°	13°	1.7	120	
Liverpool	59°	13°	2.9		
Nappan	60°	8°	1.9	117	
Sydney	61°	21°	3.4		
Truro	62°	2°	2.5		
Upper Stewiacke	64°	8°	1.8		
Wolfville	62°	12°	1.9	133	
Yarmouth	57°	18°	2.8		
Charlottetown	60°	13°	1.6		
Charlottetown (Experimental Farm)	59°	12°	1.7	121	

Fort Nelson
Trout Lake
James Bay
Hope
Moose Fort
Cochrane
Sudbury
Houghton
Marquette
Sault Ste. Marie
Escanaba
Alpena
Green Bay
Ludington
Saginaw
Port Huron
Grand Haven
Madison
Milwaukee
Chicago
Toledo
Cleveland
Ft. Wayne
La Salle
Buffalo
Rochester
Syracuse
Albany
Oswego
Scranton
Binghamton
Erie
Pittsburg
Harrisburg
Philadelphia
New York
Boston
Concord
Northfield
Portland
Yarmouth
Eastport
Nantucket
Block
Lake Michigan
90°
85°
80°
75°
70°
65°
60°
50°
40°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R MAP
ER, 1930
from normal mean temperature; also total precipitation
month.
Ellesmere Island
Pond Inlet
Godthaven
Angmagsalik
Pangnirtung
Nottingham I.
Cape Wolstenholme
Ashe Inlet
Wakeham
Resolution
Port Burwell
Port Harrison
HUDSON'S
90°
85°
80°
75°
70°
65°
60°
55°
50°
45°
40°
35°
60°
55°
+2°
+8°
+4°
+6°
12
0·5
20
1·2
22
0·5
23
21
26
27
−3
0·3

REFERENCES.
The upper Figures give the mean Temperature.
The lower Figures give the precipitation in inches.
The Black lines shew the difference from the normal mean Temperature.
The shading shews approximately the precipitation of the month.
Less than 1 inch.
Less than 2 inches
Less than 3 inches
Less than 4 inches.
More than 4 inches
50°
45°
40°
120°
115°
110°
105°
100°
95°
Seattle
Tacoma
North Yakima
Portland
Spokane
Wallace
Lewiston
Walla Walla
Kalispell
Missoula
Helena
Havre
Williston
Miles City
Billings
Yellowstone Park
Bismarck
Devils Lake
Moorhead
Duluth
Ellendale
Sheridan
Pocatello
Rapid City
Pierre
Huron
St. Paul
Lander
Valentine
Charles City
Sioux City
Salt Lake City
Cheyenne
North Platte
Omaha
Saskatoon
Prince Albert
The Pas
Lac la Ronge
Ile à la Crosse
Medicine Hat
Moosejaw
Calgary
Edmonton
Jasper
Barkerville
Kamloops
Estevan
Norway House
Pikwitonei
Churchill
Nelson R.
Athabasca Landing
Fort Chipewyan
Fort Simpson
Fort Liard
Fort Nelson
Fort St. John
Dawson
Telegraph Cr.
Atlin
Tatoosh I.
North Head
Fort Rae
Fort Resolution
Fort Providence
Fort Smith
Fort Chipewyan
Fort McMurray
Fort Vermilion
Peace River
Peace Landing
Hudson Bay
Saskatchewan
Athabasca
Mackenzie
Liard
Nelson
Churchill
Columbia
Fraser
Thompson
Bow
Red Deer
Battle
Qu'Appelle
Minnedosa
+4°
+6°
+2°
−2°
+
−
32
1·6
28
1·3
28
0·9
36
0·8
42
3·0
44
1·3
29
1·3
34
0·5
26
0·3
26
0·1
28
0·5
24
0·3
22
0·6
18
0·2
24
0·3
26
1·6
26
3·5

METEOROLOGICAL SERVI
WEATHE
NOVEMB
Chart shewing the mean temperature and the difference
of the
Herschell I.
Fort Yukon
Eagle
Fanana
Coppermine
Cambridge Bay
Sitka
150°
145°
140°
130°
125°
120°
115°
110°
105°
100°
95°
60°
55°